

REVOX

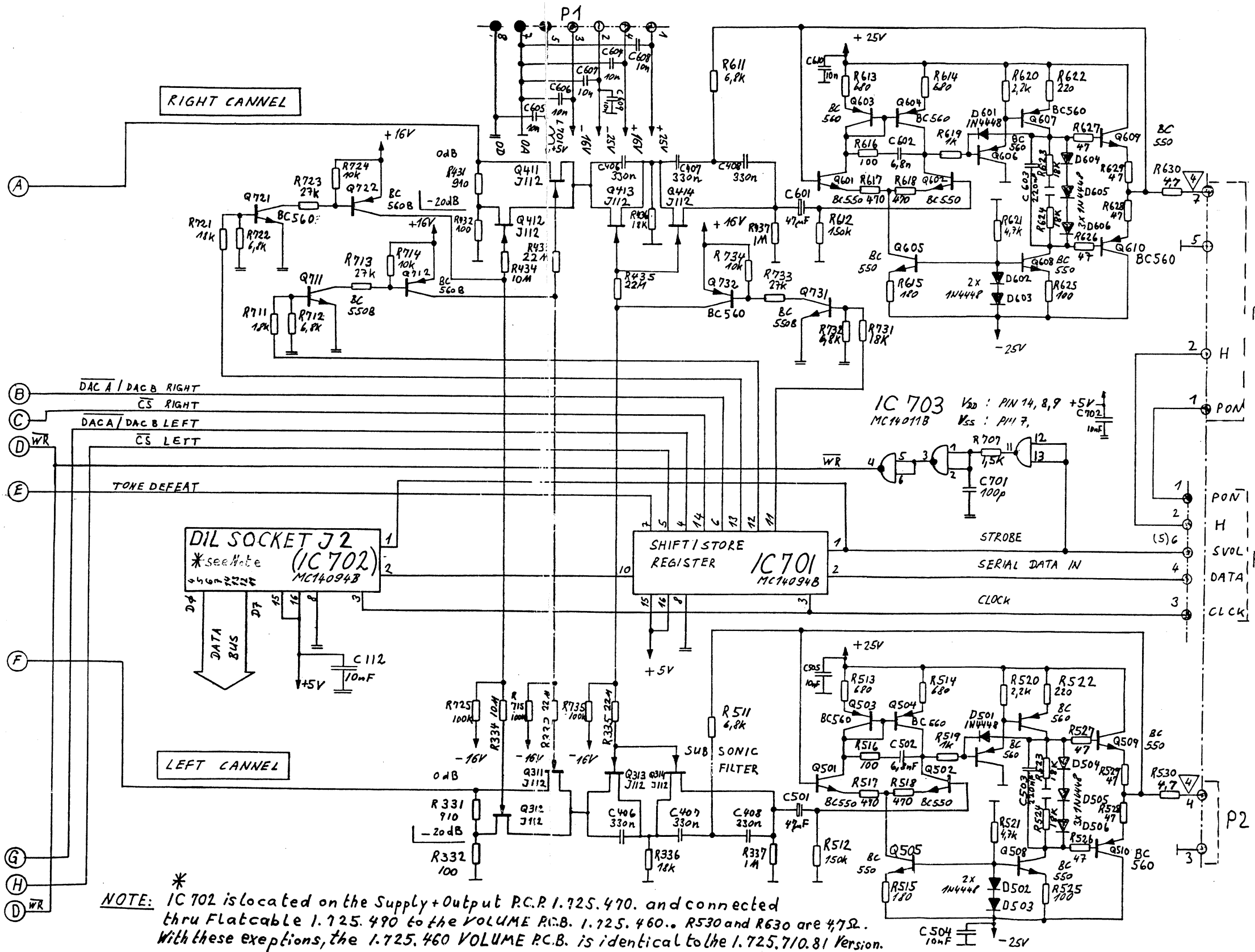
B-252

MODEL

CD SERVICE MANUAL

3. 8. 82	EgU	Note: PAGE 1 is identical to Version 1.725.710.81. FOR PAGE 2 see Note there.		
STUDER		6Jan84R.GR.	PREAMPLIFIER	
		VOLUME	PCB	
		1.725.460.00		PAGE 1 OF 2
				B 252

VOLUME PCB 1.725.460-00 "ESE"



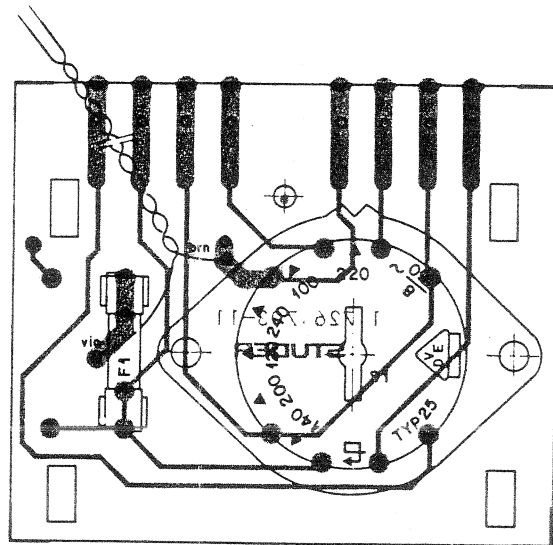
*
NOTE: IC 702 is located on the Supply+Output P.C.B. 1.725.470. and connected thru Flatcable 1.725.490 to the VOLUME P.C.B. 1.725.460.. R530 and R630 are 47Ω. With these exceptions, the 1.725.460 VOLUME P.C.B. is identical to the 1.725.710.81 Version.

Similar to 1.725.710.81 see NOTE *	B252	PAGE 2 OF 2
PREAMPLIFIER	1.725.460.00	
VOLUME PCB		
STUDER		

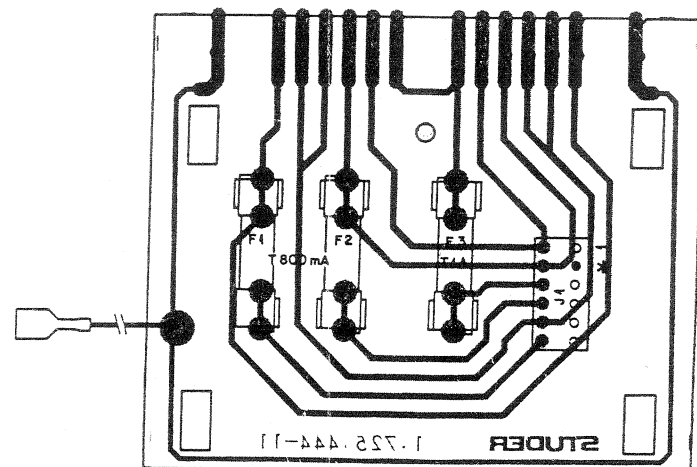
TO SUPPLY + OUTPUT P.C.B. P1

	STUDER	MAINS TRANSFORMER B252		1.725.440.00	PAGE 1 OF 1	B252
4 Jan 1984 R. Grootenboer	6. Jan. 84 RGR.	PREAMPLIFIER				

MAINS TRANSFORMER UNIT 1.725.440-00



1.726.703-00



1.725.444-00

CHINCH
HI +14dBV 15V
REL A K1
R246 91
R245 510
C209 1nF
R247 1.5K
C210 220 pF
C208 470µF
R250 510
R251 91
CHINCH
J2 HI +10dBV 3V
REL B K2
R252 1.5K
R253 1.5K
C211 1nF
C212 220 pF
R254 750
L.O. +70dBV 3V

Page 1
15 Right
Gnd. 14
Left 13
Phon Audio
CHINCH
HI +14dBV 15V
REL A K1
R346 91
R345 510
C309 1nF
R347 1.5K
C310 220 pF
C308 470µF
R350 510
R351 91
CHINCH
J2 HI +10dBV 3V
REL B K2
R352 1.5K
R353 1.5K
C311 1nF
C312 220 pF
R354 750
L.O. +70dBV 3V

+25V
Q219 80135
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Revised: Jul. v 12, 1983 NGR Rev: April 7, 1984 Dec 10, 1984
5 Jan. 84 R.G.R.

PREAMPLIFIER

SUPPLY + OUTPUT P.C.B.

STUDEER

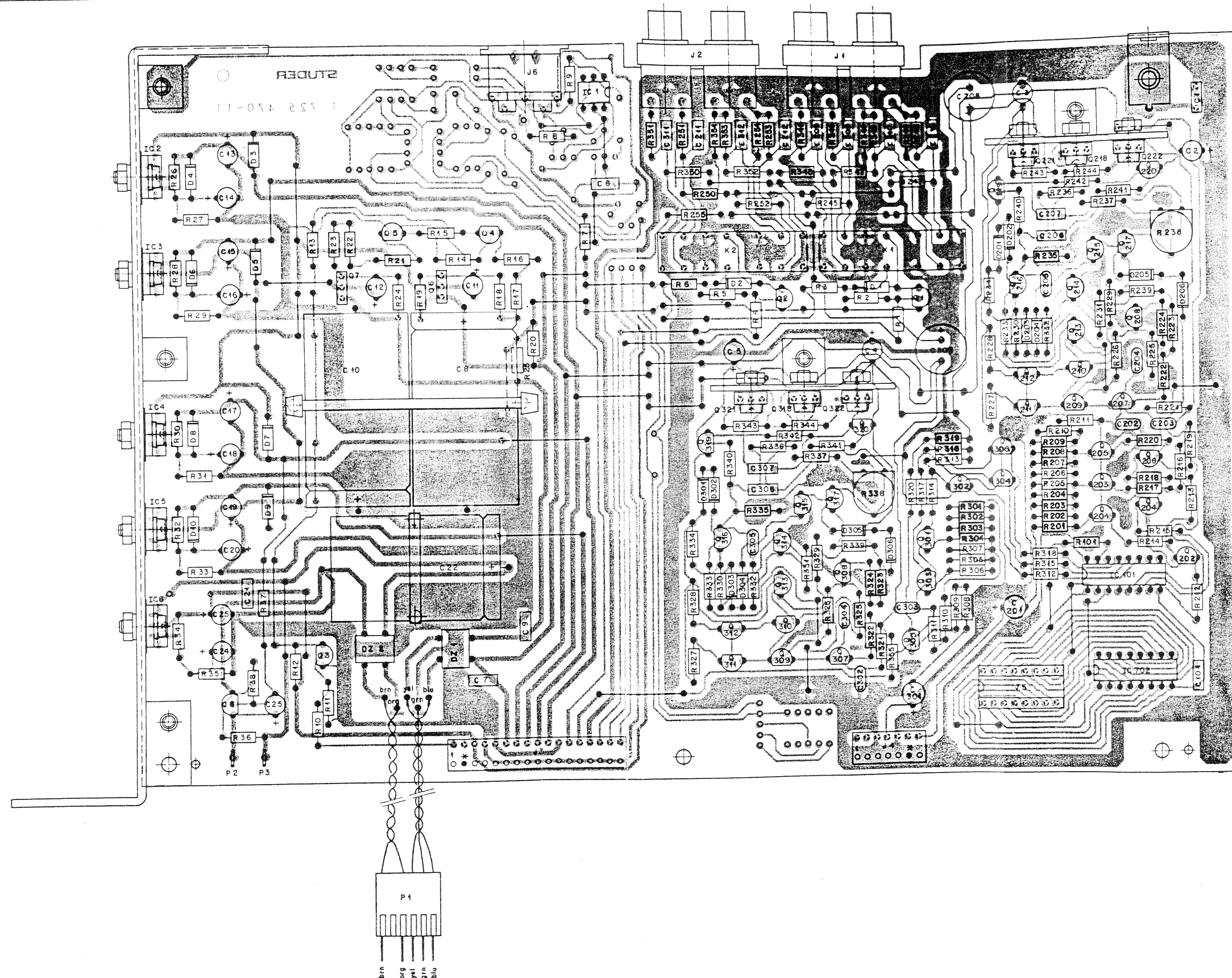
PAGE 2 OF 2 (3)

1,725.470.00

Samuel J. Paul P.C.B.

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SUPPLY AND OUTPUT PCB 1.725.470-00 "ESE"



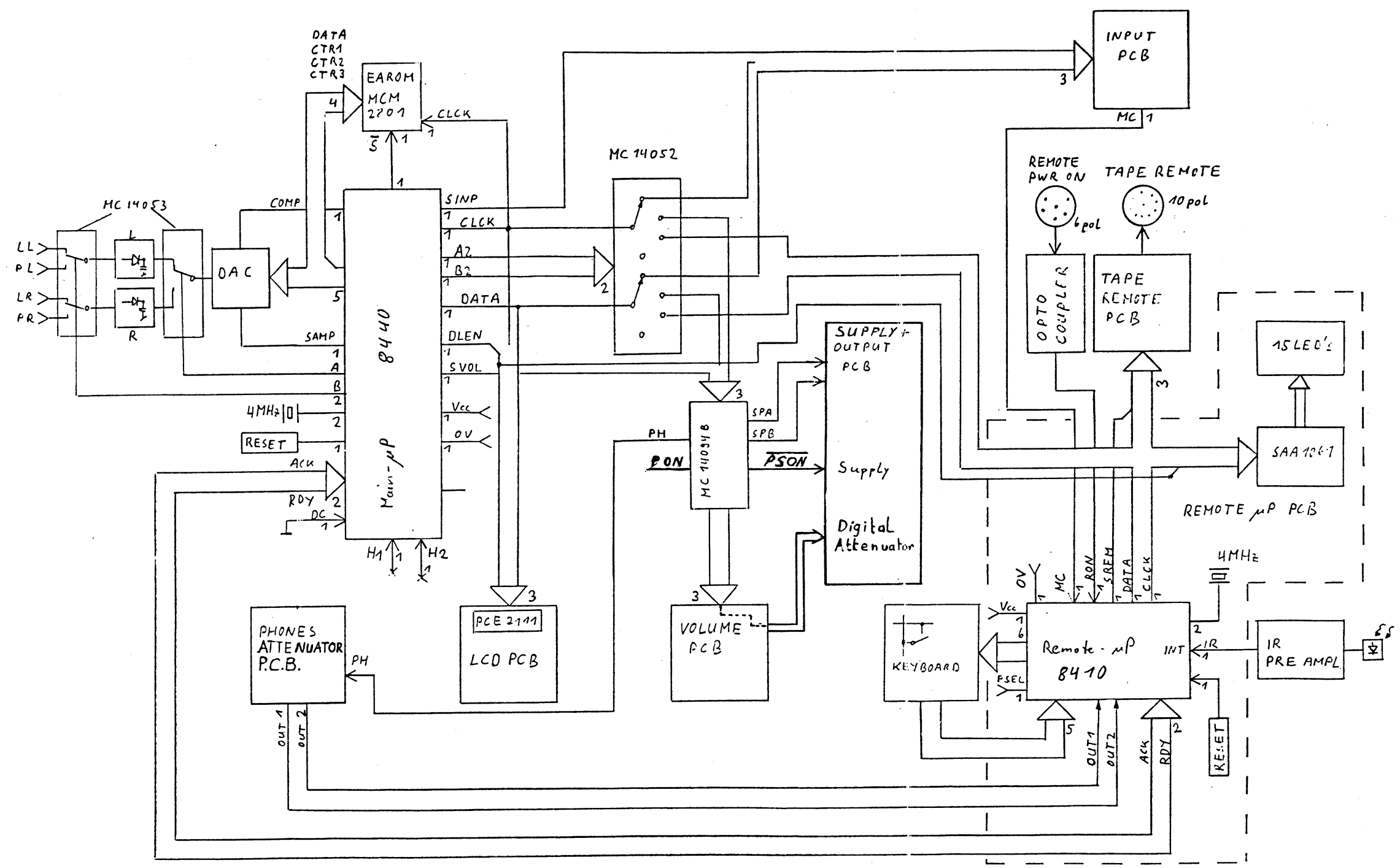
IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C....1	59.12.3103	10 nF	20%, 40V	Cer.		Q....3	50.03.0497	BC 550C	NPN			R....219	57.11.4104	100 kOhm	5%, 0.25W	MF	
C....2	59.22.6100	10 uF	-20%, 35V	EL		Q....4	50.03.0497	BC 540C	PNP			R....220	57.11.4105	1 kOhm	5%, 0.25W	MF	
C....3	59.22.6100	10 uF	-20%, 35V	EL		Q....5	50.03.0496	BC 550C	NPN			R....221	57.11.4272	2.2 kOhm	5%, 0.25W	MF	
C....4	59.22.6100	10 uF	-20%, 35V	EL		Q....6	50.03.0452	BD 140/10	PNP			R....222	57.11.4221	220 Ohm	5%, 0.25W	MF	
C....5	59.22.6100	10 uF	-20%, 35V	EL		Q....7	50.03.0451	BD 139/10	NPN			R....223	57.11.4822	8.2 kOhm	5%, 0.25W	MF	
C....6	59.12.3103	10 nF	20%, 40V	Cer.		Q....8	50.03.0516	BC 337C	NPN			R....224	57.11.4221	220 Ohm	5%, 0.25W	MF	
C....7	59.06.0104	100 nF	10%, 63V	PETP		Q....9	50.03.0350	J112	FET			R....225	57.11.4681	680 Ohm	5%, 0.25W	MF	
C....8	59.34.4220	2200 uF	-10%, 63V	EL		Q....10	50.03.0350	J112	FET			R....226	57.11.4822	8.2 kOhm	5%, 0.25W	MF	
C....9	59.06.0104	100 nF	10%, 63V	PETP		Q....11	50.03.0496	BC 560C	PNP			R....227	57.11.4102	1 kOhm	5%, 0.25W	MF	
C....10	59.25.6222	2200 uF	-10%, 63V	EL		Q....12	50.03.0496	BC 560C	PNP			R....228	57.11.4102	1 kOhm	5%, 0.25W	MF	
C....11	59.22.6100	10 uF	-20%, 35V	EL		Q....13	50.03.0350	J112	FET			R....229	57.11.4332	33 kOhm	5%, 0.25W	MF	
C....12	59.22.6100	10 uF	-20%, 35V	EL		Q....14	50.03.0496	BC 560C	PNP			R....230	57.11.4101	100 Ohm	5%, 0.25W	MF	
C....13	59.22.6100	10 uF	-20%, 35V	EL		Q....15	50.03.0497	BC 550C	NPN			R....231	57.11.4151	150 Ohm	5%, 0.25W	MF	
C....14	59.22.6100	10 uF	-20%, 35V	EL		Q....16	50.03.0497	BC 550C	NPN			R....232	57.11.4181	180 Ohm	5%, 0.25W	MF	
C....15	59.22.6100	10 uF	-20%, 35V	EL		Q....17	50.03.0497	BC 550C	NPN			R....233	57.11.4183	18 kOhm	5%, 0.25W	MF	
C....16	59.22.6100	10 uF	-20%, 35V	EL		Q....18	50.03.0496	BC 560C	PNP			R....234	57.11.4680	68 Ohm	5%, 0.25W	MF	
C....17	59.22.6100	10 uF	-20%, 35V	EL		Q....19	50.03.0496	BC 560C	PNP			R....235	57.11.4822	8.2 kOhm	5%, 0.25W	MF	
C....18	59.22.6100	10 uF	-20%, 35V	EL		Q....20	50.03.0496	BC 560C	PNP			R....236	57.11.4182	1.8 kOhm	5%, 0.25W	MF	
C....19	59.22.6100	10 uF	-20%, 35V	EL		Q....21	50.03.0497	BC 550C	NPN			R....237	57.11.4471	470 Ohm	5%, 0.25W	MF	
C....20	59.22.6100	10 uF	-20%, 35V	EL		Q....22	50.03.0496	BC 560C	PNP			R....238	58.02.5221	220 Ohm	20%, 0.10W	CF ADJUSTABLE	
C....21	59.06.0104	100 nF	10%, 63V	PETP		Q....23	50.03.0497	BC 550C	NPN			R....239	57.11.4151	150 Ohm	5%, 0.25W	MF	
C....22	59.25.4472	4700 uF	-10%, 25V	EL		Q....24	50.03.0496	BC 560C	PNP			R....240	57.11.4470	47 Ohm	5%, 0.25W	MF	
C....23	59.22.6100	10 uF	-20%, 35V	EL		Q....25	50.03.0496	BC 560C	PNP			R....241	57.11.4470	47 Ohm	5%, 0.25W	MF	
C....24	59.22.6100	10															

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C---212	59.34.5221	220 pF	5%, 25V	Cer	
C---301	59.22.3101	100 pF	-20%, 10V	EL	
C---302	59.34.4220	22 pF	5%, 25V	Cer	
C---303	59.34.4220	22 pF	5%, 25V	Cer	
C---304	59.34.5331	330 pF	10%, 25V	Cer	
C---305	59.34.4101	100 pF	2%, 25V	Cer	
C---306	59.06.0223	22 nF	10%, 63V	PETP	
C---307	59.06.0224	220 nF	10%, 63V	PETP	
C---308	59.22.2471	470 nF	10%, 63V	PETP	
C---309	59.06.5102	1 nF	5%, 63V	PETP	
C---310	59.34.5221	220 pF	5%, 25V	Cer	
C---311	59.06.5102	1 nF	5%, 63V	PETP	
C---312	59.34.5221	220 pF	5%, 25V	Cer	
C---501		NOT USED			
C---502		NOT USED			
D---001	50.04.0125	1N 4448			
D---002	50.04.0125	1N 4401			
D---003	50.04.0122	1N 4401			
D---004	50.04.0122	1N 4401			
D---005	50.04.0122	1N 4401			
D---006	50.04.0122	1N 4401			
D---007	50.04.0122	1N 4401			
D---008	50.04.0122	1N 4401			
D---009	50.04.0122	1N 4401			
D---010	50.04.0122	1N 4401			
D---011	50.04.0122	1N 4401			
D---201	50.04.0125	NOT USED			
D---202	50.04.0125	1N 4448			
D---203	50.04.0125	1N 4448			
D---204	50.04.0125	1N 4448			
D---205	50.04.0125	1N 4448			
D---206	50.04.0125	1N 4448			
D---207	50.04.0125	1N 4448			
D---301	50.04.0125	1N 4448			
D---302	50.04.0125	1N 4448			
D---303	50.04.0125	1N 4448			
D---304	50.04.0125	1N 4448			
IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
R---310	57.11.4103	10 kOhm	5%, 0.25W	MF	
R---311	57.11.4103	10 kOhm	5%, 0.25W	MF	
R---312	57.11.4081	680 Ohm	5%, 0.25W	MF	
R---313	57.11.4103	10 kOhm	5%, 0.25W	MF	
R---314	57.11.4103	10 kOhm	5%, 0.25W	MF	
R---315	57.11.4681	680 Ohm	5%, 0.25W	MF	
R---316	57.11.4332	3.3 kOhm	5%, 0.25W	MF	
R---317	57.11.4182	1.8 kOhm	5%, 0.25W	MF	
R---318	57.11.4151	150 Ohm	5%, 0.25W	MF	
R---319	57.11.4103	10 kOhm	5%, 0.25W	MF	
R---320	57.11.4103	10 kOhm	5%, 0.25W	MF	
R---321	57.11.4103	10 kOhm	5%, 0.25W	MF	
R---322	57.11.4103	10 kOhm	5%, 0.25W	MF	
R---323	57.11.4103	10 kOhm	5%, 0.25W	MF	
R---324	57.11.4103	10 kOhm	5%, 0.25W	MF	
R---325	57.11.4103	10 kOhm	5%, 0.25W	MF	
R---326	57.11.4103	10 kOhm	5%, 0.25W	MF	
R---327	57.11.4470	1.3 kOhm	5%, 0.25W	MF	
R---328	57.11.4102	47 Ohm	5%, 0.25W	MF	
R---329	57.11.4330	33 Ohm	5%, 0.25W	MF	
R---330	57.11.4361	360 Ohm	5%, 0.25W	MF	
R---331	57.11.4361	360 Ohm	5%, 0.25W	MF	
R---332	57.11.4361	360 Ohm	5%, 0.25W	MF	
R---333	57.11.4102	1 kOhm	5%, 0.25W	MF	
R---334	57.11.4183	18 kOhm	5%, 0.25W	MF	
R---335	57.11.4361	360 Ohm	5%, 0.25W	MF	
R---336	57.11.4183	18 kOhm	5%, 0.25W	MF	
R---337	57.11.4361	360 Ohm	5%, 0.25W	MF	
R---301	57.11.3103	10 kOhm	1%, 0.25W	MF	
R---302	57.11.3103	10 kOhm	1%, 0.25W	MF	
R---303	57.11.3103	10 kOhm	1%, 0.25W	MF	
R---304	57.11.3103	10 kOhm	1%, 0.25W	MF	
R---305	57.11.3103	10 kOhm	1%, 0.25W	MF	
R---306	57.11.3103	10 kOhm	1%, 0.25W	MF	
R---307	57.11.4270	27 Ohm	5%, 0.25W	MF	
R---308	57.11.3103	10 kOhm	1%, 0.25W	MF	
R---309	57.11.4910	91 Ohm	5%, 0.25W	MF	
R---310	57.11.4121	120 Ohm	5%, 0.25W	MF	
R---311	57.11.3103	10 kOhm	1%, 0.25W	MF	
R---312	57.11.4103	10 kOhm	1%, 0.25W	MF	
R---313	57.11.4103	10 kOhm	1%, 0.25W	MF	
R---314	57.11.4104	100 kOhm	5%, 0.25W	MF	
R---315	57.11.4103	10 kOhm	1%, 0.25W	MF	
R---316	57.11.4103	10 kOhm	1%, 0.25W	MF	
R---317	57.11.4104	100 kOhm	5%, 0.25W	MF	
R---318	57.11.4105	1 kOhm	5%, 0.25W	MF	
R---319	57.11.4103	10 kOhm	5%, 0.25W	MF	
R---320	57.11.4104	100 kOhm	5%, 0.25W	MF	
R---321	57.11.4105	1 kOhm	5%, 0.25W	MF	
R---322	57.11.4272	27 kOhm	2%, 0.25W	MF	
R---323	57.11.4221	220 Ohm	5%, 0.25W	MF	
R---324	57.11.4222	8.2 kOhm	5%, 0.25W	MF	
R---325	57.11.4221	220 Ohm	5%, 0.25W	MF	
R---326	57.11.4681	680 Ohm	5%, 0.25W	MF	
R---327	57.11.4822	8.2 kOhm	5%, 0.25W	MF	
R---328	57.11.4102	1 kOhm	5%, 0.25W	MF	
R---329	57.11.4100	1 kOhm	5%, 0.25W	MF	
R---330	57.11.4333	33 kOhm	5%, 0.25W	MF	
R---331	57.11.4101	100 Ohm	5%, 0.25W	MF	
R---332	57.11.4151	150 Ohm	5%, 0.25W	MF	
R---333	57.11.4181	180 Ohm	5%, 0.25W	MF	
R---334	57.11.4183	18 kOhm	5%, 0.25W	MF	
R---335	57.11.4680	68 Ohm	5%, 0.25W	MF	
R---336	57.11.4822	8.2 kOhm	5%, 0.25W	MF	
R---337	57.11.4182	1.8 kOhm	5%, 0.25W	MF	
R---338	57.11.4471	470 Ohm	5%, 0.25W	MF	

POS. NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
0...305	50.04.0125	1N 4448		
0...306	50.04.0125	1N 4448		
0...501		NOT USED		
0...502		NOT USED		
0Z...+1	70.01.0216	B80 C1000	Rectifier	
0Z...+2	70.01.0216	B80 C1000	Rectifier	
IC...+1	50.99.0126	4N26		
IC...+2	50.10.0104	LM 317T	Opto Coupler	
IC...+3	50.10.0105	LM 337	LM317KC	
IC...+4	50.10.0105	LM 337	LM317KC	
IC...+5	50.10.0105	LM 337	LM317KC	
IC...+6	50.10.0104	LM 317T	LM317KC	
IC...101	50.07.0013	MC 14094B	HEF 4094B	
IC...501		NOT USED		
IC...502		NOT USED		
IC...702	50.07.0014	MC 14094B	HEF 4094B	
J...+1	54.99.0161	4-Pole	Cinch	
J...+2	54.99.0161	4-Pole	Cinch	
J...+3	54.01.0295	17-Pole	CIS Socket-Strip	
J...+5	54.01.0218	7-Pole	CIS Socket-Strip	
J...+6	53.03.0168	16-Pin	DIL Socket	
J...501	54.20.2001	6-Pole	Socket	
J...502		NOT USED		
K...+1	56.04.0185		RELAYS	
K...+2	56.04.0185		RELAYS	
P...+1	54.01.0230	6-Pole CIS	Plug (WIRE-LIST 1.725.470.93)	
P...+2	54.02.0320			
P...+3	54.02.0320			
Q...+1	50.03.0497	BC 550C	NPN	
Q...+2	50.03.0497	BC 550C	NPN	

STUDER 83/09/21 KG SUPPLY-OUTPUT PCB 1.725.470.00 PAGE 3

MICROPROCESSOR CONTROL BLOCKDIAGRAM



12.2.83 H _a	9 Jan. 1984 R.G.R.	REVOX	PREAMPLIFIER	B252
2.3.82 H _a				
STUDER	µP CONTROL BLOCKDIAGRAM		PAGE	OF

TO VOLUME PCB
J6

TO INPUT PCB
J4

LAYOUT 1.725.721.12

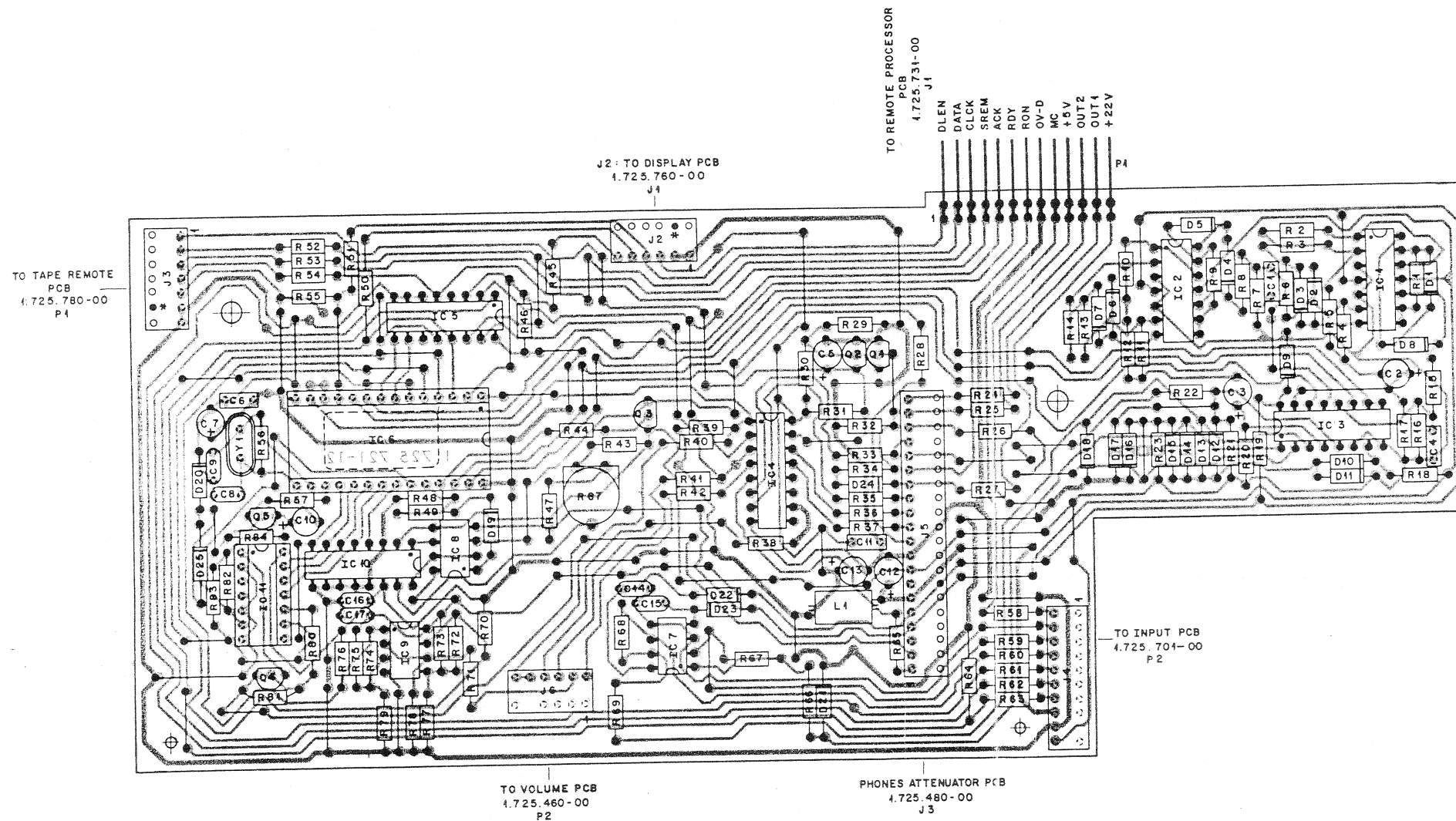
TO PHONES ATTENUATOR P.C.B.
J5

TO REMOTE PCB
J1

TO DISPLAY PCB
J2

NOTE: P.C.B. is 1.725.721.12
R21, R23 are 10K, R22, R26 are 100K
PROCESSOR IS 1.725.720.03

MICROPROCESSOR PCB 1.725.450-00 "ESE"



IND.	POS. NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
R.....41	57.11.4332	3.3 kOhm	5%	0.25W	
R.....42	57.11.4332	3.3 kOhm	5%	0.25W	
R.....43	57.11.4127	1.2 kOhm	5%	0.25W	
R.....44	57.11.4102	3.3 kOhm	5%	0.25W	
R.....45	57.11.4332	3.3 kOhm	5%	0.25W	
R.....46	57.11.4332	3.3 kOhm	5%	0.25W	
R.....47	57.11.4332	3.3 kOhm	5%	0.25W	
R.....48	57.11.4222	2.2 kOhm	5%	0.25W	
R.....49	57.11.4102	5.1 kOhm	5%	0.25W	
R.....50	57.11.4332	3.3 kOhm	5%	0.25W	
R.....51	57.11.4332	3.3 kOhm	5%	0.25W	
R.....52	57.11.4332	3.3 kOhm	5%	0.25W	
R.....53	57.11.4332	3.3 kOhm	5%	0.25W	
R.....54	57.11.4332	3.3 kOhm	5%	0.25W	
R.....55	57.11.4562	5.6 kOhm	5%	0.25W	
R.....56	57.11.4105	1 kOhm	5%	0.25W	
R.....57	57.11.4332	3.3 kOhm	5%	0.25W	
R.....58	57.11.4561	560 Ohm	5%	0.25W	
R.....59	57.11.4471	470 Ohm	5%	0.25W	
R.....60	57.11.4471	470 Ohm	5%	0.25W	
R.....61	57.11.4332	3.3 kOhm	5%	0.25W	
R.....62	57.11.4332	3.3 kOhm	5%	0.25W	
R.....63	57.11.4221	220 Ohm	5%	0.25W	
R.....64	57.11.4103	10 kOhm	5%	0.25W	
R.....65	57.11.4332	3.3 kOhm	5%	0.25W	
R.....66	57.11.4102	1 kOhm	5%	0.25W	
R.....67	57.11.4472	4.7 kOhm	2%	0.25W	
R.....68	57.11.4472	4.7 kOhm	2%	0.25W	
R.....69	57.11.4102	1 kOhm	5%	0.25W	
R.....70	57.11.4562	5.6 kOhm	5%	0.25W	
R.....71	NOT USED				
R.....72	NOT USED				
R.....73	NOT USED				
R.....74	NOT USED				
R.....75	NOT USED				
R.....76	57.11.4562	5.6 kOhm	5%	0.25W	
R.....77	NOT USED				

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IND.	POS. NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C.....1	59.40.5224	0.22 uF	5%, 63V	PETP	
C.....2	59.41.6100	10 uF	-20%, 40V	EL	
C.....3	59.41.6100	10 uF	-20%, 40V	EL	
C.....4	59.40.5224	0.22 uF	5%, 63V	PETP	
C.....5	59.22.3101	100 uF	-20%, 10V	CER	
C.....6	59.99.0205	68 nF	-20%, 100V	EL	
C.....7	59.22.3101	100 uF	-20%, 10V	CER	
C.....8	59.45.2330	33 pF	5%, 63V	CER	
C.....9	59.45.2320	22 pF	5%, 63V	EL	
C.....10	59.41.6100	10 uF	-20%, 40V	CER	
C.....11	59.99.0205	68 nF	-20%, 100V	EL	
C.....12	59.41.3470	47 uF	-20%, 10V	EL	
C.....13	59.41.3470	47 uF	-20%, 10V	CER	
C.....14	59.44.3103	10 nF	-20%, 40V	CER	
C.....15	59.44.3103	10 nF	-20%, 40V	CER	
C.....16	59.44.3103	10 nF	-20%, 40V	CER	
C.....17	59.44.3103	10 nF	-20%, 40V	CER	

IND.	POS. NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
D.....20	50.04.0125	IN4448		any	
D.....21	50.04.0125	IN4448		any	
D.....22	50.04.1103	Z 7.5V			
D.....23	50.04.1103	Z 7.5V			
D.....24	50.04.1109	Z 20V			
D.....25	50.04.0125	IN4448		any	
IC.....1	50.09.0104	TL084CN	LF347	TL084CN	
IC.....2	50.09.0104	TL084CN	LF347	TL084CN	
IC.....3	50.07.0015	MC14053	MC14053	MC14053	
IC.....4	50.07.0018	MC14052	MC14052	MC14052	
IC.....5	50.07.0024	MC14052	MC14052	MC14052	
IC.....6	1.725.720.03	MC14052	MC14052	MC14052	
IC.....7	50.09.0101	TL072ACP	LF353	TL072ACP	
IC.....8	50.09.0101	TL072ACP	LF353	TL072ACP	
IC.....9	NOT USED			NOT USED	
IC.....10	50.07.0028	AD7110KN	AD7110KN	AD7110KN	
IC.....11	1.025.026.70	MC2801	MC2801	MC2801	

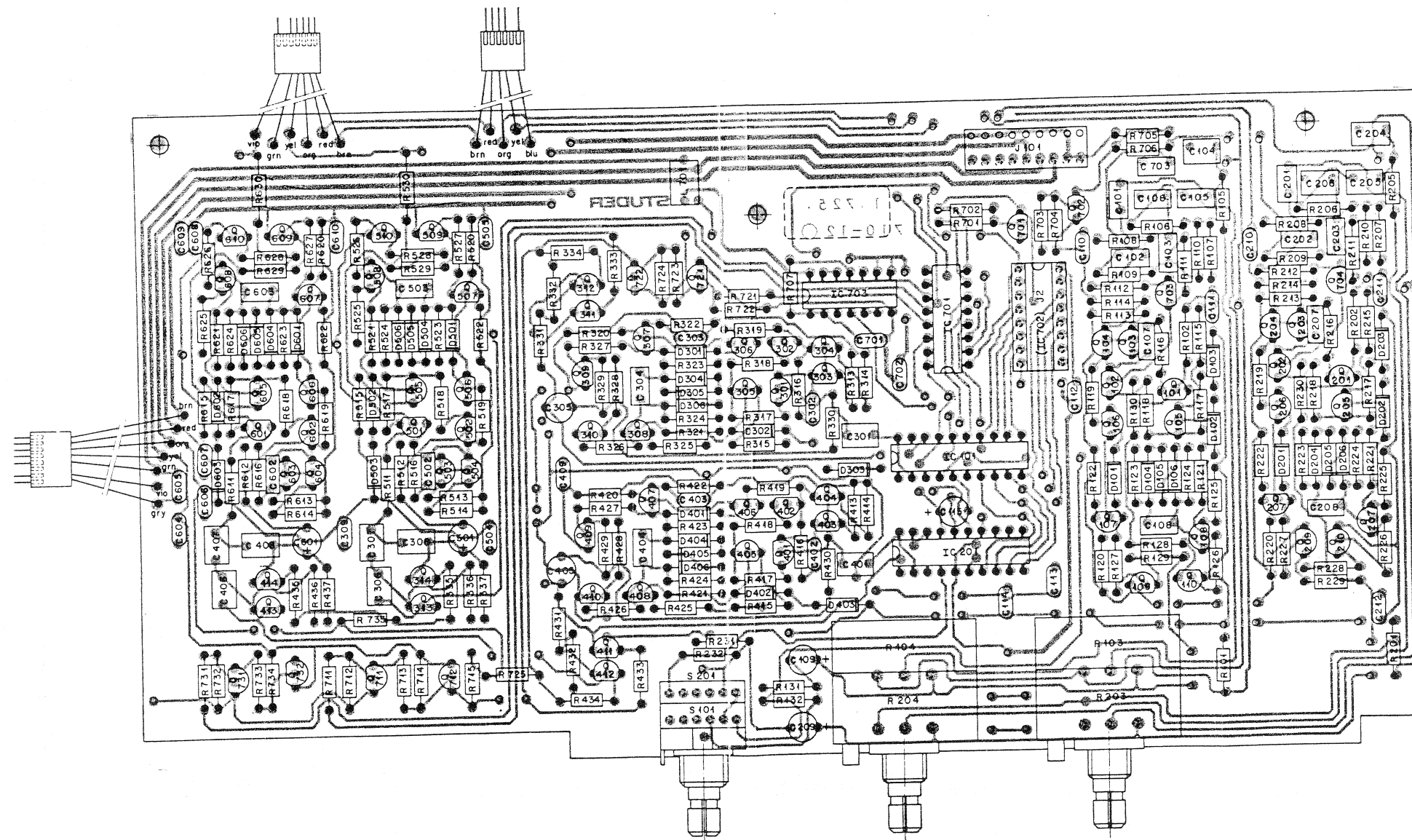
PHONES ATTENUATOR PCB
1.725.480-00
J3TO VOLUME PCB
1.725.460-00
P2

IND.	POS. NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
K.....4	57.11.4104	100 kOhm	2%	0.25W	
K.....5	57.11.3204	200 kOhm	1%	0.25W	
K.....6	57.11.3204	200 kOhm	1%	0.25W	
K.....7	57.11.4105	1 MOhm	2%	0.25W	
K.....8	57.11.4222	2.2 kOhm	2%	0.25W	
K.....9	57.11.4103	10 kOhm	2%	0.25W	
K.....10	57.11.3204	200 kOhm	1%	0.25W	
K.....11	57.11.4104	100 kOhm	2%	0.25W	
K.....12	57.11.3204	200 kOhm	1%	0.25W	
K.....13	57.11.3204	200 kOhm	1%	0.25W	
K.....14	57.11.3204	200 kOhm	1%	0.25W	
K.....15	57.11.4222	2.2 kOhm	2%	0.25W	
K.....16	57.11.4105	1 MOhm	2%	0.25W	
K.....17	57.11.4104	100 kOhm	2%	0.25W	
K.....18	57.11.4222	2.2 kOhm	5%	0.25W	
K.....19	57.11.4222	2.2 kOhm	5%	0.25W	
K.....20	57.11.4104	100 kOhm	5%	0.25W	
K.....21	57.11.4103	10 kOhm	2%	0.25W	
K.....22	57.11.4101	100 Ohm	2%	0.25W	
K.....23	57.11.4103	10 kOhm	2%	0.25W	
K.....24	57.11.4152	1.5 kOhm	5%	0.25W	
K.....25	57.11.4152	1.5 kOhm	5%	0.25W	
K.....26	57.11.4101	100 Ohm	2%	0.25W	
K.....27	57.11.4102	1 kOhm	5%	0.25W	
K.....28	57.11.4332	3.3 kOhm	5%	0.25W	
K.....29	57.11.4102	1 kOhm	5%	0.25W	
K.....30	57.11.4222	2.2 kOhm	5%	0.25W	
K.....31	57.11.4223	22 kOhm	5%	0.25W	
K.....32	57.11.4331	330 Ohm	5%	0.25W	
K.....33	57.11.4332	3.3 kOhm	5%	0.25W	
K.....34	57.11.4222	2.2 kOhm	5%	0.25W	
K.....35	57.11.4332	3.3 kOhm	5%	0.25W	
K.....36	57.11.4332	3.3 kOhm	5%	0.25W	
K.....37	57.11.4332	3.3 kOhm	5%	0.25W	
K.....38	57.11.4332	3.3 kOhm	5%	0.25W	
K.....39	57.11.4562	5.6 kOhm	5%	0.25W	
K.....40	57.11.4332	3.3 kOhm	5%	0.25W	

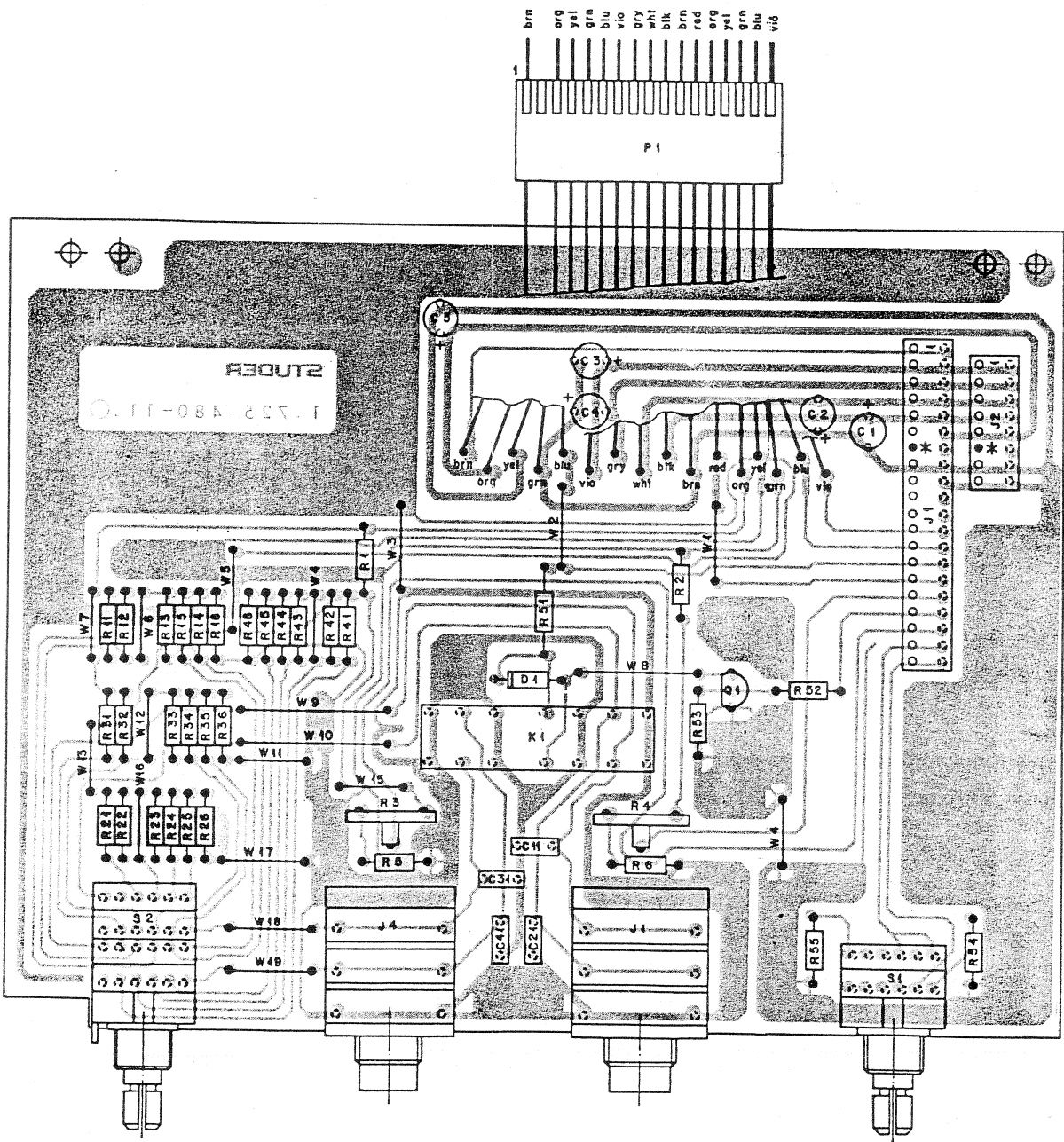
STUDER 83/09/21 RG PROCESSOR PCB 1.725.450-00 PAGE 3

IND.	POS. NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
R.....78	NOT USED				
R.....79	NOT USED				
R.....80	57.11.4473	4.7 kOhm	5%	0.25W	
R.....81	57.11.4103	10 kOhm	5%	0.25W	
R.....82	57.11.4562	5.6 kOhm	5%	0.25W	
R.....83	57.11.4332	3.3 kOhm	5%	0.25W	
R.....84	57.11.4102	1 kOhm	5%	0.25W	
R.....85	58.02.5222	2.2 kOhm	20%	0.10W PCSCM	
R.....86	57.11.4223	22 kOhm	5%	0.25W	
R.....87	57.11.4223	22 kOhm	5%	0.25W	
R.....88	57.11.4223	22 kOhm	5%	0.25W	
R.....89	57.11.4223	22 kOhm	5%	0.25W	
R.....90	57.11.4223	22 kOhm	5%	0.25W	
R.....91	57.11.4223	22 kOhm	5%	0.25W	
Y.....1	89.01.0554	4.433MHz			ITT

E=Electrolytic, CER=Ceramic, PETP=Polyester.
Manufacturers: TI=Texas Instruments, NSC=National Semiconductors
Mot=Motorola, Phi=Philips, NEC=Nippon Electric Corp.,
ADI=Analog Devices Inc., S=SiemensORIG 83/09/21
STUDER 83/09/21 RG PROCESSOR PCB 1.725.450-00 PAGE 5



PHONES ATTENUATOR PCB 1.725.480-00



IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C.....1		59.22.6100	10 uF	-10% 35V EL	
C.....2		59.22.6100	10 uF	-10% 35V EL	
C.....3		59.22.6100	10 uF	-10% 35V EL	
C.....4		59.22.6100	10 uF	-10% 35V EL	
C.....5		59.22.6100	10 uF	-10% 35V EL	
C.....11		59.06.0222	2+2 nF	5% 63V PETP	
C.....21		59.06.0222	2+2 nF	5% 63V PETP	
C.....31		59.06.0222	2+2 nF	5% 63V PETP	
C.....41		59.06.0222	2+2 nF	5% 63V PETP	
D.....1		50.04.0125	1N 4448		
K.....1		56.04.0185	RELAYS		
J.....1		1.710.350.02	PHONES	JACK Socket	
J.....2		54.01.0289	8 Pole	CIS Socket-strip	
J.....3		54.01.0226	20 Pole	CIS Socket-strip	
J.....4		1.710.350.02	PHONES	JACK Socket	
P.....1		1.725.480.93	(PLUG)	WIRE LIST	
Q.....1		50.03.0497	BC 550C	NPN	
R.....1		57.11.4102	1 kOhm	2% 0.25W MF	
R.....2		57.11.4102	1 kOhm	2% 0.25W MF	
R.....3		58.19.0223	22 kOhm	20% 0.15W CF VARIABLE	
R.....4		58.19.0223	22 kOhm	20% 0.15W CF VARIABLE	
R.....5		57.11.4103	10 kOhm	2% 0.25W MF	
R.....6		57.11.4103	10 kOhm	2% 0.25W MF	
R.....11		57.11.4221	220 Ohm	2% 0.25W MF	
R.....12		57.11.4361	360 Ohm	2% 0.25W MF	
R.....13		57.11.4221	220 Ohm	2% 0.25W MF	
R.....14		57.11.4131	130 Ohm	2% 0.25W MF	
R.....15		57.11.4390	39 Ohm	2% 0.25W MF	
R.....16		57.11.4241	240 Ohm	2% 0.25W MF	
R.....21		57.11.4221	220 Ohm	2% 0.25W MF	
R.....22		57.11.4361	360 Ohm	2% 0.25W MF	

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IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
R.....23		57.11.4221	220 Ohm	2% 0.25W MF	
R.....24		57.11.4131	130 Ohm	2% 0.25W MF	
R.....25		57.11.4390	39 Ohm	2% 0.25W MF	
R.....26		57.11.4241	240 Ohm	2% 0.25W MF	
R.....31		57.11.4221	220 Ohm	2% 0.25W MF	
R.....32		57.11.4361	360 Ohm	2% 0.25W MF	
R.....33		57.11.4221	220 Ohm	2% 0.25W MF	
R.....34		57.11.4131	130 Ohm	2% 0.25W MF	
R.....35		57.11.4390	39 Ohm	2% 0.25W MF	
R.....36		57.11.4241	240 Ohm	2% 0.25W MF	
R.....41		57.11.4221	220 Ohm	2% 0.25W MF	
R.....42		57.11.4361	360 Ohm	2% 0.25W MF	
R.....43		57.11.4221	220 Ohm	2% 0.25W MF	
R.....44		57.11.4131	130 Ohm	2% 0.25W MF	
R.....45		57.11.4390	39 Ohm	2% 0.25W MF	
R.....46		57.11.4241	240 Ohm	2% 0.25W MF	
R.....51		57.11.4601	680 Ohm	5% 0.25W MF	
R.....52		57.11.4103	10 kOhm	5% 0.25W MF	
R.....53		57.11.4103	10 kOhm	5% 0.25W MF	
R.....54		57.11.4471	470 Ohm	5% 0.25W MF	
R.....55		57.11.4471	470 Ohm	5% 0.25W MF	
S.....1		1.725.810.03	ROTARY	SWITCH 4 Pos.	ST.
S.....2		1.725.810.02	ROTARY	SWITCH 4 Pos.	ST.

El=Electrolytic, PETP=Polyester,
MF=Metal Film, CF=Carbon Film,
Manufacturers: ST=STUDER,

ORIG 83/09/21
STUDER 83/09/21 RG PHONES ATTENUATOR PCB 1.725.480.00 PAGE 2

Revised: 11 July 83 R.G.R. Revised: NOV. 15. 83 POS. NUMBERS R.G.R. DEC. 15. 83 Rf.

20 May 83 R.Greutmann	5 Jan 84 R.G.R.	PREAMPLIFIER		B252
STUDER	PHONES ATTENUATOR P.C.B.		1 725 480-00	PAGE 1 OF 1

VOLUME PCB 1.725.460-00 "ESE"

IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.	IND.	POS.NO.	PART NO.	VALUE	SPECIFICATIONS / EQUIVALENT	MANUF.
C...101	59.06.5473	47 nF	5%	63V	PETP		P...101	59.01.0269	4-Pole	CIS Plug (WIRE-LIST 1.725.710 93)		R...120	57.11.4470	47 Ohm	5%	0.25W	MF	R...616	57.11.4131	100 Ohm	5%	0.25W	MF
C...102	59.06.5103	10 nF	5%	63V	PETP		P...102	59.01.0230	6-Pole	CIS Plug		R...131	57.11.4222	2.2 kOhm	5%	0.25W	MF	R...617	57.11.4471	470 Ohm	5%	0.25W	MF
C...103	59.06.5103	10 nF	5%	63V	PETP		P...103	59.01.0231	8-Pole	CIS Plug		R...132	57.11.4102	1 kOhm	5%	0.25W	MF	R...618	57.11.4471	470 Ohm	5%	0.25W	MF
C...104	59.06.5334	330 nF	5%	63V	PETP		P...104	59.01.0233	8-Pole	CIS Plug		R...201	57.11.4104	100 kOhm	5%	0.25W	MF	R...619	57.11.4102	1 kOhm	5%	0.25W	MF
C...105	59.06.5474	470 nF	5%	63V	PETP		Q...101	50.03.0215	25k 170	FET	TO	R...202	57.11.4332	3.3 kOhm	5%	0.25W	MF	R...620	57.11.4222	2.2 kOhm	5%	0.25W	MF
C...106	59.06.5474	470 nF	5%	63V	PETP		Q...102	50.03.0215	25k 170	FET	TO	R...203	1.725.710.01	10 kOhm	10%	0.10W	POT. (dual with R103) ST.	R...621	57.11.4472	4.7 kOhm	5%	0.25W	MF
C...107	59.06.0682	6.8 nF	10%	63V	PETP		Q...103	50.03.0496	BC 560C	PNP	TO	R...204	1.725.710.01	10 kOhm	10%	0.10W	POT. (dual with R104) ST.	R...622	57.11.4221	220 Ohm	5%	0.25W	MF
C...108	59.06.0224	220 nF	10%	63V	PETP		Q...104	50.03.0496	BC 560C	PNP	TO	R...205	57.11.4561	560 Ohm	2%	0.25W	MF	R...623	57.11.4183	18 kOhm	5%	0.25W	MF
C...109	59.22.3101	100 uF	-10%	10V	EL		Q...105	50.03.0497	BC 550C	NPV		R...206	57.11.4602	6.8 kOhm	2%	0.25W	MF	R...624	57.11.4183	18 kOhm	5%	0.25W	MF
C...110	59.32.3103	10 nF	20%	40V	Cor		Q...106	50.03.0497	BC 550C	NPV		R...207	57.11.4123	12 kOhm	2%	0.25W	MF	R...625	57.11.4101	100 Ohm	5%	0.25W	MF
C...111	59.32.3103	10 nF	20%	40V	Cor		Q...107	50.03.0496	BC 560C	PNP		R...208	57.11.4602	6.8 kOhm	2%	0.25W	MF	R...626	57.11.4470	47 Ohm	5%	0.25W	MF
C...112	59.32.3103	10 nF	20%	40V	Cor		Q...108	50.03.0496	BC 560C	PNP		R...209	57.11.4152	1.5 kOhm	2%	0.25W	MF	R...627	57.11.4470	47 Ohm	5%	0.25W	MF
C...113	59.32.3103	10 nF	20%	40V	Cor		Q...109	50.03.0497	BC 550C	NPV		R...210	57.11.3911	910 Ohm	2%	0.25W	MF	R...628	57.11.4470	47 Ohm	5%	0.25W	MF
C...114	59.32.3103	10 nF	20%	40V	Cor		Q...110	50.03.0496	BC 560C	PNP		R...211	57.11.4182	1.8 kOhm	5%	0.25W	MF	R...629	57.11.4470	47 Ohm	5%	0.25W	MF
C...115	59.22.3470	47 uF	-10%	10V	EL		Q...111	50.03.0496	BC 560C	PNP		R...212	57.11.5104	10 kOhm	5%	0.25W	CC	R...630	57.11.4470	47 Ohm	5%	0.25W	MF
C...201	59.06.5473	47 nF	5%	63V	PETP		Q...201	50.03.0215	25k 170	FET	TO	R...213	57.11.4481	680 Ohm	5%	0.25W	MF	R...701	57.11.4183	18 kOhm	5%	0.25W	MF
C...202	59.06.5103	10 nF	5%	63V	PETP		Q...202	50.03.0215	25k 170	FET	TO	R...214	57.11.4681	680 Ohm	5%	0.25W	MF	R...702	57.11.4682	6.8 kOhm	5%	0.25W	MF
C...203	59.06.5334	330 nF	5%	63V	PETP		Q...203	50.03.0496	BC 560C	PNP	TO	R...215	57.11.4102	1 kOhm	5%	0.25W	MF	R...703	57.11.4273	27 kOhm	5%	0.25W	MF
C...204	59.06.5474	470 nF	5%	63V	PETP		Q...204	50.03.0496	BC 560C	PNP	TO	R...216	57.11.4101	100 Ohm	5%	0.25W	MF	R...704	57.11.4103	10 kOhm	5%	0.25W	MF
C...205	59.06.5474	470 nF	5%	63V	PETP		Q...205	50.03.0497	BC 550C	NPV		R...217	57.11.4471	470 Ohm	5%	0.25W	MF	R...705	57.11.4104	100 kOhm	5%	0.25W	MF
C...206	59.06.5474	470 nF	5%	63V	PETP		Q...206	50.03.0496	BC 560C	PNP		R...218	57.11.4471	470 Ohm	5%	0.25W	MF	R...706	57.11.4105	1 kOhm	5%	0.25W	MF
C...207	59.06.0682	6.8 nF	10%	63V	PETP		Q...207	50.03.0496	BC 560C	PNP		R...219	57.11.4102	1 kOhm	5%	0.25W	MF	R...707	57.11.4152	1.5 kOhm	5%	0.25W	MF
C...208	59.06.0224	220 nF	10%	63V	PETP		Q...208	50.03.0497	BC 550C	NPV		R...220	57.11.4222	2.2 kOhm	5%	0.25W	MF	R...711	57.11.4183	18 kOhm	5%	0.25W	MF
C...209	59.22.3101	100 uF	-10%	10V	EL		Q...209	50.03.0497	BC 550C	NPV		R...221	57.11.4472	4.7 kOhm	5%	0.25W	MF	R...712	57.11.4682	6.8 kOhm	5%	0.25W	MF
C...210	59.32.3103	10 nF	20%	40V	Cor		Q...210	50.03.0496	BC 560C	PNP	TO	R...222	57.11.4221	220 Ohm	5%	0.25W	MF	R...713	57.11.4273	27 kOhm	5%	0.25W	MF
C...211	59.32.3103	10 nF	20%	40V	Cor		Q...211	50.03.0215	25k 170	FET	TO	R...223	57.11.4183	18 kOhm	5%	0.25W	MF	R...714	57.11.4103	10 kOhm	5%	0.25W	MF
C...212	59.32.3103	10 nF	20%	40V	Cor		Q...212	50.03.0215	25k 170	FET	TO	R...224	57.11.4183	18 kOhm	5%	0.25W	MF	R...715	57.11.4104	100 kOhm	5%	0.25W	MF
C...301	59.06.5474	470 nF	5%	63V	PETP		Q...303	50.03.0496	BC 560C	PNP		R...225	57.11.4101	100 Ohm	5%	0.25W	MF	R...721	57.11.4183	18 kOhm	5%	0.25W	MF
C...302	59.34.5471	470 pF	10%	25V	Cor		Q...304	50.03.0496	BC 560C	PNP		R...226	57.11.4470	47 Ohm	5%	0.25W	MF	R...722	57.11.4682	6.8 kOhm	5%	0.25W	MF
C...303	59.34.5101	380 pF	10%	25V	Cor		Q...305	50.03.0497	BC 550C	NPV		R...227	57.11.4470	47 Ohm	5%	0.25W	MF	R...723	57.11.4273	27 kOhm	5%	0.25W	MF
C...304	59.06.0224	220 nF	10%	63V	PETP		Q...306	50.03.0496	BC 560C	PNP		R...228	57.11.4470	47 Ohm	5%	0.25W	MF	R...724	57.11.4103	10 kOhm	5%	0.25W	MF
C...305	59.22.3101	100 uF	-10%	10V	EL		Q...307	50.03.0496	BC 560C	PNP		R...229	57.11.4470	47 Ohm	5%	0.25W	MF	R...725	57.11.4104	100 kOhm	5%	0.25W	MF
C...306	59.06.5334	330 nF	5%	63V	PETP		Q...308	50.03.0497	BC 550C	NPV		R...230	57.11.4332	3.3 kOhm	5%	0.25W	MF	R...731	57.11.4183	18 kOhm	5%	0.25W	MF
C...307	59.06.5334	330 nF	5%	63V	PETP		Q...309	50.03.0497	BC 550C	NPV		R...231	57.11.4222	2.2 kOhm	5%	0.25W	MF	R...732	57.11.4682	6.8 kOhm	5%	0.25W	MF
C...308	59.06.5334	330 nF	5%	63V	PETP		Q...310	50.03.0496	BC 560C	PNP		R...232	57.11.4102	1 kOhm	5%	0.25W	MF	R...733	57.11.4273	27 kOhm	5%	0.25W	MF
C...309	59.32.3103	10 nF	20%	40V	Cor		Q...311	50.03.0350	J 112	FET	ST-NA	R...233	57.11.4471	470 Ohm	5%	0.25W	MF	R...734	57.11.4103	10 kOhm	5%	0.25W	MF
C...401	59.06.5474	470 nF	5%	63V	PETP		Q...312	50.03.0350	J 112	FET	ST-NA	R...313	57.11.4471	470 Ohm	5%	0.25W	MF	R...735	57.11.4104	100 kOhm	5%	0.25W	MF
C...402	59.34.5471	470 pF	10%	25V	Cor		Q...313	50.03.0350	J 112	FET	ST-NA												
C...403	59.34.5391	390 pF	10%	25V	Cor		Q...401	50.03.0350	J 112	FET	ST-NA	R...314	57.11.4471	470 Ohm	5%	0.25W	MF	S...101	1.725.710.02	SWITCH	Dual: 1 Step (S 201)	ST	
C...404	59.06.0224	220 nF	10%	63V	PETP		Q...402	50.03.0215	25k 170	FET	TO	R...315	57.11.4181	180 Ohm	5%	0.25W	MF	S...201	1.725.710.02	SWITCH	Dual: 1 Step (S 101)	ST	
C...405	59.22.3101	100 uF	-10%	10V	EL		Q...403	50.03.0496	BC 560C	PNP		R...316	57.11.4471	470 Ohm	5%	0.25W	MF						
C...406	59.06.5334	330 nF	5%	63V	PETP		Q...404	50.03.0496	BC 560C	PNP		R...317	57.11.4131	100 Ohm	5%	0.25W	MF						
C...407	59.06.5334	330 nF	5%	63V	PETP		Q...405	50.03.0497	BC 550C	NPV		R...318	57.11.4101	100 Ohm	5%	0.25W	MF						
C...408	59.06.5334	330 nF	5%	63V	PETP		Q...406	50.03.0496	BC 560C	PNP		R...319	57.11.4102	1 kOhm	5%	0.25W	MF						
C...409	59.32.3103	10 nF	20%	40V	Cor		Q...407	50.03.0496	BC 560C	PNP		R...320	57.11.4222	2.2 kOhm	5%	0.25W	MF						
C...501	59.22.3470	47 uF	-10%	10V	EL		Q...408	50.03.0497	BC 550C	NPV		R...321	57.11.4472	4.7 kOhm	5%	0.25W	MF						
C...502	59.06.0682	6.8 nF	10%	63V	PETP		Q...409	50.03.0497	BC 550C	NPV		R...322	57.11.4221	220 Ohm	5%	0.25W	MF						
C...503	59.32.3103	10 nF	20%	40V	Cor		Q...410	50.03.0496	BC 560C	PNP		R...323	57.11.4393	39 kOhm	5%	0.25W	MF						
C...504	59.32.3103	10 nF	20%	40V	Cor		Q...411	50.03.0350	J 112	FET	ST-NA	R...324	57.11.4393	39 kOhm	5%	0.25W	MF						
C...505	59.32.3103	10 nF	20%	40V	Cor		Q...412	50.03.0350	J 112	FET	ST-NA	R...325	57.11.4101	100 Ohm	5%	0.25W	MF						
C...601	59.22.3470	47 uF	-10%	10V	EL		Q...413	50.03.0350	J 112	FET	ST-NA	R...326	57.11.4470	47 Ohm	5%	0.25W	MF						
C...602	59.06.0682	6.8 nF	10%	63V	PETP		Q...414	50.03.0350	J 112	FET	ST-NA	R...327	57.11.4470	47 Ohm	5%	0.25W	MF						
C...603	59.06.0224	220 nF	10%	63V	PETP		Q...501	50.03.0497	BC 550C	NPV		R...328	57.11.4470	47 Ohm	5%	0.25W	MF						
C...604	59.32.3103	10 nF	20%	40V	Cor		Q...502	50.03.0497	BC 550C	NPV		R...329	57.11.4470	47 Ohm	5%	0.25W	MF						
C...605	59.32.3103	10 nF	20%	40V	Cor		Q...503	50.03.0496	BC 560C	PNP		R...330	57.11.5475	47 kOhm	5%	0.25W	MF						
C...606	59.32.3103	10 nF	20%	40V	Cor		Q...504	50.03.0496	BC 560C	PNP		R...331	57.11.3911	910 Ohm	2%	0.25W	MF						
C...607	59.32.3103	10 nF	20%	40V	Cor		Q...505	50.03.0496	BC 560C	PNP		R...332	57.11.4101	100 Ohm	2%	0.25W							

AUDIO BLOCKDIAGRAM

